

Rapide Croche Lock and Dam, Storage Building
Approximately 75 feet south of the garage
Wrightstown
Outagamie County
Wisconsin

HAER No. WI-91-D

HAER
WIS
5-WR10,
2D-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Rocky Mountain System Support Office
National Park Service
P.O. Box 25287
Denver, Colorado 80225-0287

HISTORIC AMERICAN ENGINEERING RECORD

RAPIDE CROCHE LOCK AND DAM, STORAGE BUILDING

HAER NO. WI-91-D

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Location: The storage building at the Rapide Croche Lock and Dam Complex is located north of the lower gate of the lock in the SE1/4 of Section 4, T21N, R19E, Civil Town of Buchanan, Outagamie County, Wisconsin.

UTM: 16/404600/4907450; USGS Quadrangle: Wrightstown, Wisconsin 7.5' series

Date of Construction: 1982

Engineer: United States Army Corps of Engineers with Contractors

Architect: United States Army Corps of Engineers with Contractors

Present Owner: United States Army Corps of Engineers

Present Use: Storage of paint and petroleum products.

Significance: The storage shed functions as part of the daily operation of the Appleton Locks and Dam Complex.

Project Information: This documentation was undertaken in 1995 in accordance with requirements detailed in a June 19, 1994 letter from Gregory D. Kendrick, Chief, History Branch, NPS to Dale Monteith, Acting Chief, Planning Division, USACOE, Detroit District. The Lower Fox system remains basically operational but was placed in caretaker status by the USACOE in 1982. The USACOE plans to divest itself of the Lower Fox system as soon as is feasible; therefore, NPS requested this documentation. All documentation conforms to HAER standards.

Dr. John D. Richards, Principal Investigator; Georgia A. Lusk, Patricia B. Richards, and Robert J. Watson, Project Archivists with Great Lakes Archaeological Research Center, Inc.; Joseph Paskus, Project Photographer.

STORAGE BUILDING

A 5 foot 4 inch by 5 foot 4 inch metal storage shed is located approximately 75 feet south of the Rapide Croche garage. Constructed in the 1980s, the storage shed is a pre-fabricated structure manufactured by Armco Building Systems of Cincinnati, Ohio. The modular wall panels, which are bolted onto a concrete slab foundation, support a flat roof.¹ An entrance door is located on the west side of the storage shed, and a single, louvered vent is centered on the opposite side.²

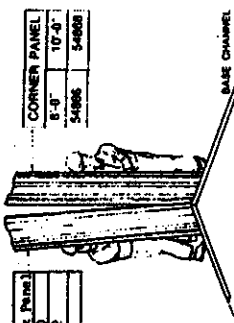
ENDNOTES

- 1 Armco Steel Buildings, Erection Instructions TL-1 Building, sheets ET-115, ET-116, ET-118, ET-119.
- 2 Ibid., sheets EW-109, E-159.

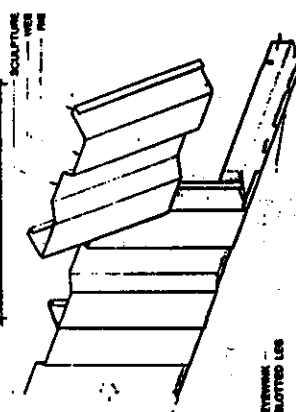
CORNER ERECTION

Starting at a corner assemble a corner panel and typical panel by attaching the female rib to the base channel and the male rib to the end wall. Panels should be erected in the order shown in the diagram so that short panels can be installed at door and window locations.

Typical Steel Joist Panel	Corner Panel
8'-0" 54490	8'-0" 54498
10'-0" 54492	10'-0" 54498

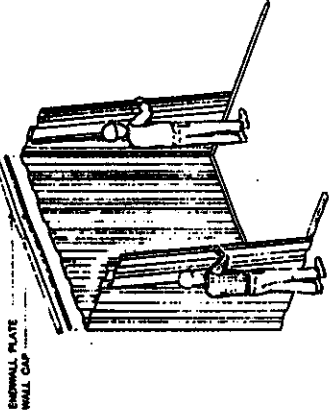


PANELS OVER SHING DOORS	
ALL	SIZES
8'	54498
10'	54504



WALL ERECTION

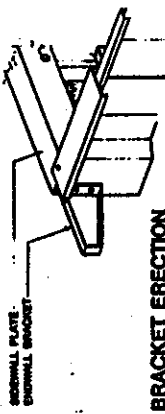
Erected wall panels by placing the bottom of panel on base channel. Panels should be erected in the order shown in the diagram so that short panels can be installed at door and window locations. Panels should be erected in the order shown in the diagram so that short panels can be installed at door and window locations.



WALL CAP AND PLATE SCHEDULE	
BUILDING WIDTH	5'-4" 8'-0" 12'-0"
ENDWALL CAP	54490 54498 54504 54506
REAR OR ENDWALL PLATE	54490 54498 54504 54506
FRONT PLATE	54490 54498 54504 54506

WALL CAP & PLATE ERECTION

Place wall cap and plate on endwall panels. Panels and square panels, but do not wrench against panels. Erect the side walls, one wall from outside the building and the other wall from inside the building. Install additional wall caps and plates against corner panels. Top of front plate should be 1/4" above wall panels and rear plate should rest on wall panels. Erect second and wall and wall cap. Position and wall plates with front and rear plates. Then wrench against all plate bolts. See detail and erection instructions for foundation. For 8'-4" long building field cut additional plates and wall cap.



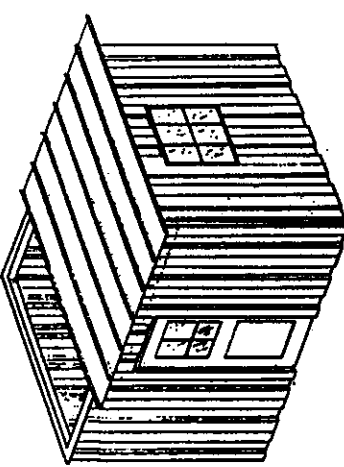
BRACKET ERECTION

Attach and wall brackets 54490 or 54492 with top of old wall plates using two 1/2" x 1/4" THS at each corner. Field drill using 1/4" drill.

ROOF ERECTION

If ceiling is to be installed, it must be erected at the same time as the roof...see std. ceiling detail.

Check building walls for ovals and square. Apply a continuous strip of tape sealant on top of plates. Set the first roof panel with the female rib 8" outside of endwall and with 8" of overlap on each side wall. Field drill roof panels to match holes in plate and bolt with 1/4" x 3/4" bolts with weather seal washer. Continue setting roof panels bolting only to the rear plate and keeping ends of panels even. Move rear wall and not the roof panels to maintain the 8" overlap. Again check the walls for ovals and square. Field drill and bolt the roof panels to the front plate and endwall plates. Piece fascia over the rib of the last roof panel. (Note: If ceiling is to be installed, do not erect last roof panel at this time...see ceiling detail.) If alternate gutter fascia is used, see ET-121. Set and flash 60535 around building with 1/2" x 7/8" 575 16" O.C. Field cut ends at corners for closing tab.



BUILDING WIDTH	8'-0" 8'-0" 12'-0"
A 1000	54498 54498 54506
B 1000	54498 54498 54506
C 1000	54498 54498 54506
D 1000	54498 54498 54506
E 1000	54498 54498 54506
F 1000	54498 54498 54506
G 1000	54498 54498 54506
H 1000	54498 54498 54506

ROOF AND WALL ERECTION

TL-1 BUILDING

ET-119
